

SITE ID: **CLIMATE ROOFING**
 CLIENT: **BCEHD**
 BOREHOLE ID: **B-1** PAGE 1 OF 1

DATE OF DRILLING: 10-16-00
 LOGGED BY: R. Sengebush
 DRILLER: Rodger's Drilling/H. Reichert
 BOREHOLE DIAMETER: 8"
 DRILLING METHOD: Hollow Stem Auger
 SAMPLING METHOD: 3" diam, 5' long Split Spoon
 TOP OF CASING ELEV: NA
 DEPTH TO WATER: 8.1ft
 TOTAL DEPTH: 13ft
 CASING: NA
 SCREEN: NA
 SURFACE COMPLETION: Native Fill

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	Sample Interval	SIMPLIFIED LITHOLOGY
Clean Drill Cuttings		70%		0.0	2		
				0.0	4		
Bentonite Pellets (hydrated)		30%		0.0	8		
				7000.	10		
					2		
					4		
					6		
					8		
					20		

Surface Conditions: Soil-hand dug to 3 ft.

0.0'-1.0' Fill (SW) Pea gravel and silt 1.0'-3.0' (SP) 10 YR Brownish-yellow; sand; fine to medium-grained; very well sorted; damp; no apparent hydrocarbon odor present; (cuttings).

3.0'-8.0' 3.5' sample in split spoon. 3.0'-4.5' (ML) 10YR yellowish-brown; silt; very well sorted; dry; no apparent hydrocarbon odor present. 4.5'-5.0' (SP) 10YR light brown; sand; very fine-grained; very well sorted; dry; no apparent hydrocarbon odor present. 5.0'-8.0' (SP) 10YR light brown; sand; fine to medium-grained very well sorted; dry; no apparent hydrocarbon odor present.

8.0'-13.0' 2.5' sample in split spoon. 8.0'-8.3' (SP) 10YR light brown (as above); H2O saturated. 8.3'-10.5' (SW) 10YR Brown-gray (N5); sand; medium to coarse-grained; poorly sorted; 5% gravel; saturated; strong petroleum odor. (Measure DTW @ 1537, 8.1ft bgs).

TOTAL DEPTH: 13ft bgs



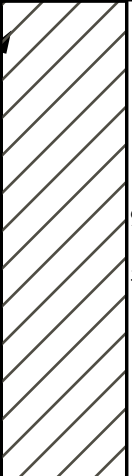
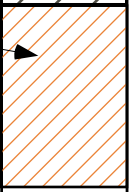
TECUMSEH PROFESSIONAL ASSOCIATES, INC.

5600 WYOMING BOULEVARD, NE., SUITE 150, ALBUQUERQUE, NEW MEXICO 87113
 PHONE: (505) 293-1156 FAX: (505) 293-1971

SITE ID: **CLIMATE ROOFING**
 CLIENT: **BCEHD**
 BOREHOLE ID: **B-2** PAGE 1 OF 1

DATE OF DRILLING: 10-31-00
 LOGGED BY: W. Brown
 DRILLER: Rodger's Drilling/H. Reichert
 BOREHOLE DIAMETER: 8" nominal
 DRILLING METHOD: Hollow Stem Auger
 SAMPLING METHOD: 3" diam, 2' long Split Spoon
 TOP OF CASING ELEV: NA
 DEPTH TO WATER: 8.5-9.0 ft
 TOTAL DEPTH: 11ft
 CASING: NA
 SCREEN: NA
 SURFACE COMPLETION: Native Fill

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	Sample Interval	SIMPLIFIED LITHOLOGY
Bentonite Cement Grout		9/11/13/15 53%		0.0	4		0.0'-0.5' (SC) Dark brown; silty clayey sand; unconsolidated; some organic matter; moist; no apparent hydrocarbon odor present; (cuttings).
		6/7/7/9 90%		0.0	6		0.5'-3.0' (SM) (7.5YR) Reddish-yellow; silty sand; unconsolidated; slightly moist; no apparent hydrocarbon odor present; (cuttings).
Bentonite Pellets (hydrated)		3/4/6/5 90%	B-2 8-9' (SP)	0.0	8		3.0'-5.0' 1.1' sample in split spoon. 0.0'-0.1' (Cave-in) 0.0'-0.4' (SM) As above. 0.4'-1.1' (SC/SM) Silty clayey sand; very fine-grained; with disseminated CaCO3 cement; hard; slightly moist; no apparent hydrocarbon odor present.
		3/6/5/4 85%		75	9		5.0'-7.0' 1.8' sample in split spoon. 0.0'-0.4' (SM/SC) As above; (10YR) Brown. 0.4'-1.8' (SM/SP) Brown to light brown (10YR) with one 2" thick dark brown zone @ 1.4'-1.6' depth; sand with minor silt; very fine to fine-grained; unconsolidated; moist to very moist @ base; no apparent hydrocarbon odor present.
					10		7.0'-9.0' 1.8' sample in split spoon. 0.0'-0.2' (Cave-in) 0.2'-1.8' (SP) Brown to reddish yellow (7.5YR) at top to light brown-gray at base; sand; fine to medium-grained; well sorted; unconsolidated; H2O saturated in lower 2/3; weak hydrocarbon odor at base.
					2		9.0'-11.0' 1.7' sample in split spoon. 0.0'-1.7' (SP) Light-gray tan; sand; fine to medium-grained; grading to (SW). Gray (N3); sand with trace of gravel; fine to coarse-grained; poorly sorted; H2O saturated; very weak hydrocarbon odor.
					4		
					6		
					8		
					20		

TOTAL DEPTH: 11ft bgs



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SITE ID: **CLIMATE ROOFING**
 CLIENT: **BCEHD**
 WELL ID: **B-3/FTW-13** PAGE 1 OF 1

DATE OF DRILLING: 10-25-00
 LOGGED BY: W. Brown
 DRILLER: Rodger's Drilling/H. Reichert
 BOREHOLE DIAMETER: 8"
 DRILLING METHOD: Hollow Stem Auger
 SAMPLING METHOD: 3" diam, 2' long Split Spoon
 TOP OF CASING ELEV: NA
 DEPTH TO WATER: ~8.0 ft
 TOTAL DEPTH: 15ft
 CASING: 0-5' 2" dia sch 40 PVC-flush threaded
 SCREEN: 5-15' 0.01slot 2" dia sch 40 PVC
 SURFACE COMPLETION: Standard 8x12 can w/ concrete pad

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	Sample Interval	SIMPLIFIED LITHOLOGY
Cement							Surface Conditions: Loose soil.
Bentonite Pellets (hydrated)					2		0.0'-0.5' Concrete and other fill debris. (cuttings).
					4		0.5'-1.0' (SM/SC) Dark brown; silty clayey sand; very fine-grained. (cuttings).
				0.0	6		1.0'-3.0' (SM) Tan-brown (10YR); silty sand; very fine-grained; loose; no apparent hydrocarbon odor. (cuttings).
				0.0	8		3.0'-5.0' 1.1' sample in split spoon. 0.0'-0.4' (SM/SC) Brown (10YR); silty clayey sand; very fine-grained; weak CaCO ₃ cement; grades to 0.4'-1.0' (SC). Brown (10YR); clayey sand with silt; very fine-grained; dense to CaCO ₃ cement; grades to 1.0'-1.1' (SM/SC). As above.
10-20 Silica Sand			MW-13 9.0' (SP) 1100	>10,000	10		5.0'-7.0' 1.9' sample in split spoon. 0.0'-0.2' (SM/SC) As above. 0.2'-1.9' Coarsening downward sequence: 0.2'-0.6' (SM) Light brown (10YR); silty sand; very fine-grained; with disseminated CaCO ₃ cement. 0.6'-0.9' (SM/SP) Tan (10YR); sand with silt; very fine to fine-grained; unconsolidated; grades to 0.9'-1.9' (SP). Tan-brown (10YR) with thin dark brown band ~1" thick at 1.5' depth; sand; fine to medium-grained; trace coarse-grained sand and pebbles; unconsolidated.
0.01 Slot Screen			MW-13 11.0' (SP) 530/1017	28.0	2		7.0'-9.0' 1.7' sample in split spoon. 0.0'-1.1' (SP/SW) Tan-brown; sand with ~5% gravel clasts; medium to coarse-grained; grades to 1.1'-1.7' (SP) Dark gray (N3); sand; medium to coarse; unconsolidated; H ₂ O saturated below ~8' BSG; strong hydrocarbon odor present.
			MW-13 13.0' (SP/SW) <5		4		9.0'-11.0' 1.9' sample in split spoon. 0.0'-1.9' (SP) Dark gray (N3) sand; fine to medium-grained; unconsolidated; hydrocarbon saturated with very strong hydrocarbon odor present.
					6		11.0'-13.0' 1.3' sample in split spoon. 0.0'-1.3' (SP/SW) Light brown; sand; medium to coarse-grained; H ₂ O saturated.
					8		13.0'-15.0' Cuttings. Indicate (SP/SW) as above.
					20		

TOTAL DEPTH: 15ft bgs



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SITE ID: CLIMATE ROOFING
 CLIENT: BCEHD
 BOREHOLE ID: B-4 PAGE 1 OF 1

DATE OF DRILLING: 10-31-00
 LOGGED BY: W. Brown
 DRILLER: Rodger's Drilling/H. Reichert
 BOREHOLE DIAMETER: 8"
 DRILLING METHOD: Hollow Stem Auger
 SAMPLING METHOD: 3" diam, 2' long Split Spoon
 TOP OF CASING ELEV: NA
 DEPTH TO WATER: ~8.0 ft
 TOTAL DEPTH: 13ft
 CASING: NA
 SCREEN: NA
 SURFACE COMPLETION: Native Fill

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	Sample Interval	SIMPLIFIED LITHOLOGY
Bentonite Cement Grout		11/10/29/24 70%		0.0	4		
		13/12/8/8 100%		2.0	6		
Bentonite Pellets (hydrated)		2/4/4/6 90%		0.0	8		
		5/4/3/5 100%	B-4 10.5' (SP/SW)	220	10		
		4/6/9/10 70%	B-4 13' (SP)	1500	2		
				1.0	4		
					6		
					8		
					20		

Surface Conditions: Dirt.

0.0'-0.5' (SM/SC) Dark brown; clayey silty sand; organic matter; unconsolidated; moist; no apparent hydrocarbon odor present; (cuttings).

0.5'-3.0' (SM) (7.5YR) Light reddish-brown; silty sand; unconsolidated; slightly moist; no apparent hydrocarbon odor present; (cuttings).

3.0'-5.0' 1.4' sample in split spoon. **0.0'-0.4' (SM)** As above. **0.4'-1.4' (SM/SC)** Brown (10YR); silty clayey; very fine-grained sand; dense CaCO₃ cemented; slightly moist; no apparent hydrocarbon odor present.

5.0'-7.0' 2.0' sample in split spoon. **0.0'-0.1' (Cave-in)** **0.1'-0.5' (SM/ML)** Light tan; silt-sand; very fine-grained; slightly moist; grades to **0.5'-0.8' (SM/SC)**. As above; brown (10YR); stage 2+ CaCO₃ cement in nodules; dense. **0.8'-2.0' (SM)** Tan-light brown (10YR); sand with minor silt; very fine to fine-grained; moist @ base; no apparent hydrocarbon odor present.

7.0'-9.0' 1.8' sample in split spoon. **0.0'-1.8'** Coarsening downward sequence starting with **(SP)** Tan-brown (10YR); sand; fine-grained sand grading to medium-coarse-grained sand than **(SW/SP)**; medium to coarse-grained sand with ~5% gravel and pebble clasts; lower 1/2 of sample is H₂O saturated; lower 1/3 is gray-brown and has accompanying moderate to strong hydrocarbon odor.

9.0'-11.0' 2.0' sample in split spoon. **0.0'-1.0' (SP/SW)** Tan-brown/light gray as above; unconsolidated; H₂O saturated; weak to moderate hydrocarbon odor. **1.0'-2.0' (SP/SW)** Dark gray (N3); sand; medium to coarse-grained sand with minor fine-grained sand; unconsolidated; hydrocarbon saturated-very strong odor. (Color change across core sample is gradual. No pebbles or gravels in lower foot.)

11.0'-13.0' 1.4' sample in split spoon. **0.0'-1.0' (SP/SW)** As above; brown (10YR); sand with ~5% gravel/pebble clasts; medium to coarse-grained. **1.0'-1.4' (SP)** Tan-brown (10YR); medium to fine-grained sand.

TOTAL DEPTH: 13ft bgs



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SITE ID: CLIMATE ROOFING
 CLIENT: BCEHD
 BOREHOLE ID: B-5 PAGE 1 OF 1

DATE OF DRILLING: 10-31-00
 LOGGED BY: W. Brown
 DRILLER: Rodger's Drilling/H. Reichert
 BOREHOLE DIAMETER: 8"
 DRILLING METHOD: Hollow Stem Auger
 SAMPLING METHOD: 3" diam, 2' long Split Spoon
 TOP OF CASING ELEV: NA
 DEPTH TO WATER: ~8.0 ft
 TOTAL DEPTH: 13ft
 CASING: NA
 SCREEN: NA
 SURFACE COMPLETION: Native Fill

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	Sample Interval	SIMPLIFIED LITHOLOGY
	Bentonite Cement Grout	7/13/15/26 75%		0.0	4		
		14/14/5/4 90%		2.0	6		
		5/6/6/4 100%		0.0	8		
		8/7/7/4 100%	B-5 10.5' (SP) 840	2200	10		
	Bentonite Pellets (hydrated)	12/12/12/11 90%	B-5 13' (GW/SW) 65	1.0	2		
					4		
					6		
					8		
					20		

Surface Conditions: Dirt.

0.0'-1.0' (GM/SM) Brown (10YR); silty clayey sand with pea gravel; (cuttings).

1.0'-3.0' (SM) (7.5YR) Silty sand; very fine-grained; no apparent hydrocarbon odor present; (cuttings).

3.0'-5.0' 1.5' sample in split spoon. 0.0'-0.3' (GM) Gravel; (fill); cave-in. 0.3'-1.0' (SM) Reddish-yellow brown (7.5YR); silty sand; very fine-grained; unconsolidated; grades to 1.0'-1.5' (SM/SC). Light brown; silty clayey sand; very fine-grained; with disseminated CaCO₃ cement.

5.0'-7.0' 1.8' sample in split spoon. 0.0'-0.3' (SM) As above. 0.3'-1.1' (SM/SC) Brown (10YR); silty clayey sand; very fine-grained; dense CaCO₃ cemented (Stage 2+); dry; no apparent hydrocarbon odor present. 1.1'-1.8' (SM) Reddish-brown (7.5YR); silty clayey sand; very fine-grained; unconsolidated; slightly moist; no apparent hydrocarbon odor present.

7.0'-9.0' 2.0' sample in split spoon. 0.0'-0.3' Cave-in. 0.3'-0.8' (SP) Tan to light brown (10YR); sand; fine to medium-grained; unconsolidated; moist; grades to 0.8'-1.4'. (SP/SW) Tan-brown; sand with minor pebbles; fine to coarse-grained sand; unconsolidated; H₂O saturated; no apparent hydrocarbon odor present. 1.4'-2.0' (SP) Light gray-tan; sand with minor pebbles; medium to coarse-grained; unconsolidated; H₂O saturated; moderate to strong hydrocarbon odor present.

9.0'-11.0' 2.0' sample in split spoon. 0.0'-2.0' (SP) Medium gray (N4) and lower 2" changes to tan brown; sand; medium-grained; unconsolidated; H₂O saturated; moderate hydrocarbon odor present which lessens in lower 2" substantially.

11.0'-13.0' 1.8' sample in split spoon. 0.0'-1.8' (SP/SW) Tan-brown; sand; medium to fine-grained with coarse-grained component; unconsolidated; H₂O saturated; no apparent hydrocarbon odor.

TOTAL DEPTH: 13ft bgs



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SITE ID: CLIMATE ROOFING
 CLIENT: BCEHD
 BOREHOLE ID: B-6 PAGE 1 OF 1

DATE OF DRILLING: 11-1-00
 LOGGED BY: W. Brown
 DRILLER: Rodger's Drilling/H. Reichert
 BOREHOLE DIAMETER: 8"
 DRILLING METHOD: Hollow Stem Auger
 SAMPLING METHOD: 3" diam, 2' long Split Spoon
 TOP OF CASING ELEV: NA
 DEPTH TO WATER: ~8.0 ft
 TOTAL DEPTH: 13ft
 CASING: NA
 SCREEN: NA
 SURFACE COMPLETION: Native Fill

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	SAMPLE INTERVAL	SIMPLIFIED LITHOLOGY
Bentonite Cement Grout		2/10/21/25 65%		0.0	4		
		11/9/8/8 100%		0.0	6		
		5/6/6/7 95%		0.0	8		
		5/7/7/4 95%	B-6 10.0' (SP) 1700/ 1618	7000 9000 350	10		
Bentonite Pellets (hydrated)		3/7/8/8 80%		4.0	2		
					4		
					6		
					8		
					20		

Surface Conditions: Loose Sediment

0.0'-1.0' (SM/SC) Dark Brown; silty clayey sand; very fine-grained; organic matter; some asphalt chunks; unconsolidated; moist; (cuttings).

1.0'-3.0' (SM) (7.5YR) Reddish-brown; silty sand with minor clay; slightly moist; (cuttings).

3.0'-5.0' 1.3' sample in split spoon. 0.0'-0.2' (Cave-in)

0.2'-0.8' (SM) Reddish-brown (7.5YR); silty sand; unconsolidated; slightly moist; no apparent hydrocarbon odor present.

0.8'-1.3' (SM/SC) Brown (10YR); silty clayey very fine-grained sand grading to (SC) clayey very fine-grained sand at base; dense; Stage 2+ CaCO₃ cement; no apparent hydrocarbon odor present.

5.0'-7.0' 2.0' sample in split spoon. 0.0'-0.4' (SM/SC) As above with CaCO₃ cement; clayey silty sand. **0.4'-1.2' (SP)** Tan-brown (10YR); fine grading to medium-grained sand at base; unconsolidated; slightly moist; grades to **1.2'-2.0' (SW)** Tan-brown (10YR); sand with ≤5% pebbles/gravel; fine to coarse-grained; unconsolidated; slightly moist; no apparent hydrocarbon odor present.

7.0'-9.0' 1.9' sample in split spoon. 0.0'-1.9' (SP) Tan-brown (10YR) at top grading to dark gray (N2) and black at basal 0.4' sand; medium to coarse-grained; unconsolidated; H₂O saturated in lower 2/3 of core; no apparent hydrocarbon odor at top but very strong gasoline odor at base; blackened zone is hydrocarbon saturated.

9.0'-11.0' 1.9' sample in split spoon. 0.0'-0.1' (Slough) 0.1'-1.9' (SP) Dark gray (N2); sand; fine to medium-grained; unconsolidated; H₂O saturated; hydrocarbon saturated with very strong hydrocarbon odor; sediment near base is brown-gray with lesser odor.

11.0'-13.0' 1.6' sample in split spoon. 0.0'-1.6' (SP) Medium to coarse-grained sand grading to (SW). Light brown color (10YR); medium to coarse-grained with ~5-10% pebbles/gravel; H₂O saturated; no apparent hydrocarbon odor present.

TOTAL DEPTH: 13ft bgs



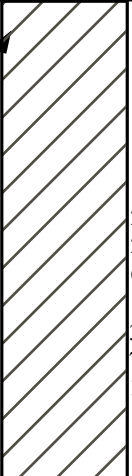

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SITE ID: CLIMATE ROOFING
 CLIENT: BCEHD
 BOREHOLE ID: B-7 PAGE 1 OF 1

DATE OF DRILLING: 11-1-00
 LOGGED BY: W. Brown
 DRILLER: Rodger's Drilling/H. Reichert
 BOREHOLE DIAMETER: 8"
 DRILLING METHOD: Hollow Stem Auger
 SAMPLING METHOD: 3" diam, 2' long Split Spoon
 TOP OF CASING ELEV: NA
 DEPTH TO WATER: ~8.0 ft
 TOTAL DEPTH: 11ft
 CASING: NA
 SCREEN: NA
 SURFACE COMPLETION: Native Fill

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	Sample Interval	SIMPLIFIED LITHOLOGY
Bentonite Cement Grout		2/10/21/25 65%		0.0	4		0.0'-0.5' (SM/SC) Brown (10YR); clayey silty sand; organic matter; unconsolidated; moist; (cuttings).
		3/5/7/7 100%		0.0	6		0.5'-3.0' (SM) Reddish-brown (7.5YR); silty sand; very fine-grained; unconsolidated; moist; (cuttings).
Bentonite Pellets (hydrated)		2/4/4/6 85%	B-7 9.0' (SP)	0.0	8		3.0'-5.0' 1.8' sample in split spoon. 0.0'-0.3' (SM) As above. 0.3'-1.8' (SM) Fining downward sequence. 0.3'-1.0' (SC/ML) Brown (10YR); clayey sand with abundant silt; very fine-grained; grades to 1.0'-1.8'. (SC) Clayey sand; plastic; medium dense; moist; no apparent hydrocarbon odor present.
		4/6/13/12 100%		0.0	10		5.0'-7.0' 1.9' sample in split spoon. 0.0'-0.7' (ML/CL) Brown (10YR); silt-clay; medium soft; plastic; slightly moist. 0.7'-1.9' (SM) Tan-brown (10YR); silty sand; very fine-grained; grading to (SP); tan-brown (10YR); fine-grained sand at base; unconsolidated; no apparent hydrocarbon odor present.
					2		7.0'-9.0' 1.7' sample in split spoon. 0.0'-0.2' (Slough) 0.2'-0.6' (SP) Tan (10YR); medium to coarse-grained sand; unconsolidated; H2O saturated. 0.6'-1.2' (SM) Tan (10YR); silty sand; very fine to fine-grained. 1.2'-1.7' (SP) Tan (10YR); sand; medium to coarse-grained; unconsolidated; H2O saturated.
					4		9.0'-11.0' 2.0' sample in split spoon. 0.0'-1.1' (SP) As above. 1.1'-1.6' (SM) Tan-brown (10YR); silty sand; very fine-grained; unconsolidated; H2O saturated. 1.6'-2.0' (SW) Grading to (GW) at base. Medium to coarse-grained sand matrix with increasing subrounded pebble/gravel clasts with depth; clasts to 3/4"; entire core is H2O saturated.
					6		
					8		
					20		

TOTAL DEPTH: 11ft bgs



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5600 WYOMING BOULEVARD, NE., SUITE 150, ALBUQUERQUE, NEW MEXICO 87113
 PHONE: (505) 293-1156 FAX: (505) 293-1971

SITE ID: **CLIMATE ROOFING**
 CLIENT: **BCEHD**
 WELL ID: **B-8/FTW-14** PAGE 1 OF 1

DATE OF DRILLING: 11-1-00
 LOGGED BY: W. Brown
 DRILLER: Rodger's Drilling/H. Reichert
 BOREHOLE DIAMETER: 8"
 DRILLING METHOD: Hollow Stem Auger
 SAMPLING METHOD: 3" diam, 2' long Split Spoon
 TOP OF CASING ELEV: NA
 DEPTH TO WATER: ~8.0 ft
 TOTAL DEPTH: 15ft
 CASING: 0-5' 2" dia sch 40 PVC-flush threaded
 SCREEN: 5-15' 0.01slot 2" dia sch 40 PVC
 SURFACE COMPLETION: Standard 8x12 can w/ concrete pad

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	SAMPLE INTERVAL	SIMPLIFIED LITHOLOGY
Cement							
Bentonite Pellets (hydrated)					2		
					4		
				0.0	6		
				0.0	8		
10-20 Silica Sand				1.0	10		
					12		
					14		
					16		
					18		
					20		
					22		
					24		
					26		
					28		
					30		
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Surface Conditions: Loose soil.
 0.0'-1.0' Fill (?) (GM) Gravelly silty sand; (cuttings).
 1.0'-3.0' (SM) Reddish-brown (7.5YR); silty sand; very fine-grained; moist; (cuttings).
 3.0'-5.0' 1.3' sample in split spoon. 0.0'-0.3' (SM) As above. 0.3'-1.3' (SM/ML) Brown (10YR); dense; Stage (2+); CaCO₃ cemented; no apparent hydrocarbon odor present.
 5.0'-7.0' 1.9' sample in split spoon. 0.0'-0.4' (SM/ML) As above with lesser cement. 0.4'-1.2' (SM) Tan-brown (10YR) and dark brown 1" thick zone at base; sand with silt; very fine-grained; unconsolidated; grades to 1.2'-2.0'. (SP) Tan-brown; sand; medium-grained; overall coarsening downward sequence; unconsolidated; very moist at base; no apparent hydrocarbon odor present.
 7.0'-9.0' 1.7' sample in split spoon. 0.0'-0.2' (Cave-in) 0.2'-0.6' (SP) As above. 0.6'-1.3' (SW) (10YR) at top grading to (N2) dark gray at base; sand with minor pebbles; fine to coarse-grained; H₂O saturated near hydrocarbon saturation; very strong hydrocarbon odor present.
 9.0'-11.0' 2.0' sample in split spoon. 0.0'-0.7' (SP) Gray (N3); sand; very fine to fine-grained. 0.7'-1.5' (SP) Gray (N4); sand; fine to medium-grained. 1.5'-2.0' (SP/SW) Light gray brown; sand with ≤5% pebbles; fine to coarse-grained but mostly medium-grained sand; unconsolidated; H₂O saturated throughout; hydrocarbon odor strong at top, lessens with depth.
 11.0'-13.0' 1.8' sample in split spoon. 0.0'-1.8' (SP) Brown (10YR); sand; medium to fine-grained; unconsolidated; H₂O saturated; weak hydrocarbon odor decreases with depth.
 13.0'-15.0' Cuttings suggest (SP) as above.

TOTAL DEPTH: 15ft bgs



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SITE ID: CLIMATE ROOFING
 CLIENT: BCEHD
 BOREHOLE ID: B-9 PAGE 1 OF 1

DATE OF DRILLING: 11-29-00
 LOGGED BY: R. Sengebush
 DRILLER: Rodger's Drilling/H. Reichert
 BOREHOLE DIAMETER: 8"
 DRILLING METHOD: Hollow Stem Auger
 SAMPLING METHOD: 3" diam, 2' long Split Spoon
 TOP OF CASING ELEV: NA
 DEPTH TO WATER: 7.5 ft
 TOTAL DEPTH: 15ft
 CASING: NA
 SCREEN: NA
 SURFACE COMPLETION: Fill with Bentonite.

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	SAMPLE INTERVAL	SIMPLIFIED LITHOLOGY
	Bentonite Cement Grout				2		Surface Conditions: Loose Sediment 1.0'-3.0' (SM) Fill; brownish-yellow (10YR6/8); silty sand; very well sorted; damp; no apparent hydrocarbon odor present.
					3.0'-5.0'		2.0' sample in split spoon. 3.0'-3.5' (SP) Sand; very well sorted; medium to fine-grained; damp. 3.5'-4.0' (SM) Silty sand; very well sorted; damp.
				ND	4		5.0'-7.0' 2.0' sample in split spoon. 5.0'-7.0' (SP) Sand; fine to medium-grained; very well sorted; damp; no apparent hydrocarbon odor present.
				ND	6		7.0'-9.0' 1.5' sample in split spoon. 7.0'-7.5' (SP) As above; H2O at 7.5'. 7.5'-9.0' (SW) Olive gray (5YR4/1) from 7.0'-8.8' and from 8.8'-9.0' is dark gray (N3); sand; medium to coarse-grained; moderate to poorly sorted; H2O saturated; strong petroleum odor present.
	Bentonite Pellets (hydrated)			344	8		9.0'-11.0' 2.0' sample in split spoon. 9.0'-11.0' (SP) Dark gray (N3); sand; medium-grained; well sorted; H2O saturated; strong petroleum odor present.
				341	10		11.0'-13.0' 1.0' sample in split spoon. 11.0'-12.0' (SP/SW) Brown (10YR5/3); sand; medium to coarse-grained; moderately sorted; H2O saturated; appears to be out of the gray petroleum stained sand with moderate odor.
				338	2		13.0'-15.0' 1.0' sample in split spoon. 13.0'-14.0' (SP/SW) Brown (10YR5/3); sand; medium to coarse-grained; moderately sorted; H2O saturated; moderate odor present.
				195	4		
					6		
					8		
					20		
							TOTAL DEPTH: 15ft bgs



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SITE ID: CLIMATE ROOFING
 CLIENT: BCEHD
 BOREHOLE ID: B-10 PAGE 1 OF 1

DATE OF DRILLING: 11-29-00
 LOGGED BY: R. Sengebush
 DRILLER: Rodger's Drilling/H. Reichert
 BOREHOLE DIAMETER: 8"
 DRILLING METHOD: Hollow Stem Auger
 SAMPLING METHOD: 3" diam, 2' long Split Spoon
 TOP OF CASING ELEV: NA
 DEPTH TO WATER: ~8.0 ft
 TOTAL DEPTH: 15ft
 CASING: NA
 SCREEN: NA
 SURFACE COMPLETION: Fill with Bentonite.

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	Sample Interval	SIMPLIFIED LITHOLOGY
Bentonite Cement Grout					2		
					4	ND	
Bentonite Pellets (hydrated)					6	ND	
					8	36.1	
					10	81.2	
					2	36.9	
					4	19.2	
					6		
					8		
					20		

Surface Conditions: Fill.

0.0'-3.0' (SM) Fill; dark gray; silty sand with pea gravel; damp; no apparent hydrocarbon odor present; (cuttings).

3.0'-5.0' 1.5' sample in split spoon. 0.0'-0.5' (SM) Yellowish-brown; silty sand; very well sorted; dary; no apparent hydrocarbon odor present. 0.5'-1.5' (ML) Tri-white spots; silt; laminated; partings 0.25" thick; dry; no apparent hydrocarbon odor present.

5.0'-7.0' 1.5' sample in split spoon. 0.0'-0.5' (ML) Brown to yellowish-brown (10YR); silt. 0.5'-1.5' (SP) (10YR); sand; fine-grained; very well sorted; damp; no apparent hydrocarbon odor present.

7.0'-9.0' 1.5' sample in split spoon. 0.0'-1.5' (SP) As above; fine to medium-grained; well sorted; no apparent hydrocarbon odor present. 0.5'-1.5' (SW) (10YR); sand; medium to coarse-grained; moderately sorted; H2O saturated; no apparent hydrocarbon odor present.

9.0'-11.0' 2.0' sample in split spoon. 0.0'-1.0' (SW) Gray; sand medium to coarse-grained; moderately sorted. 1.0'-2.0' (SW) As above; moderate petroleum odor present.

11.0'-13.0' 2.0' sample in split spoon. 11.0'-13.0' (SP/SW) As above; but not gray; no to weak hydrocarbon odor present.

13.0'-15.0' 1.0' sample in split spoon. 13.0'-14.0' (SP/SW) Brownish yellow (\pm 10YR) but color is not stained; sand; medium to coarse-grained; moderately sorted; H2O saturated; weak to moderate petroleum odor present.

TOTAL DEPTH: 15ft bgs



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SITE ID: CLIMATE ROOFING
CLIENT: BCEHD
BOREHOLE ID: B-11 PAGE 1 OF 1

DATE OF DRILLING: 11-29-00
LOGGED BY: R. Sengebush
DRILLER: Rodger's Drilling/H. Reichert
BOREHOLE DIAMETER: 8"
DRILLING METHOD: Hollow Stem Auger
SAMPLING METHOD: 3" diam, 2' long Split Spoon
TOP OF CASING ELEV: NA
DEPTH TO WATER: ~8.0 ft
TOTAL DEPTH: 15ft
CASING: NA
SCREEN: NA
SURFACE COMPLETION: Fill with Bentonite.

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	Sample Interval	SIMPLIFIED LITHOLOGY
Bentonite Cement Grout					2		
					4	ND	
					6	ND	
					8	110	
					10	3589	
					2	610	
					4	783	
					6		
					8		
					20		
Bentonite Pellets (hydrated)					2		
					4		
					6		
					8		
					10		
					12		
					14		
					16		
					18		
					20		

Surface Conditions: Fill.

0.0'-3.0' (SM) Fill; yellowish-brown (10YR); silty sand with pea gravel; (cuttings).

3.0'-5.0' 2.0' sample in split spoon. **0.0'-1.0' (SM)** (10YR); silty sand; very well sorted. **1.0'-2.0' (SP/SM)** (10YR); silty sand/sand; fine to medium-grained; very well sorted; damp; no apparent hydrocarbon odor present.

5.0'-7.0' 1.5' sample in split spoon. **0.0'-0.5' (SM)** (10YR); silty sand as above. **0.5'-1.0' (SP)** Yellowish-brown (10YR); sand; fine to medium-grained; very well sorted; dry; no apparent hydrocarbon odor present.

7.0'-9.0' 1.5' sample in split spoon. **0.0'-0.5' (SP/SW)** Brownish yellow (10YR); sand; medium to coarse-grained; moderately sorted; damp; no apparent hydrocarbon odor present (?). **8.0'-9.0' (SP/SW)** As above; H₂O saturated at 8.0'; gray (5Y4/1) at 8.9'; moderately strong petroleum odor at 9.0'.

9.0'-11.0' 1.5' sample in split spoon. **0.0'-1.5' (SP/SW)** Dark gray (N5); sand; medium to coarse-grained; pebbles to 0.75" 10%; very strong petroleum odor present.

11.0'-13.0' 1.0' sample in split spoon. **0.0'-0.5' (SP/SW)** As above; sand; 0.5'-0.75' gray; 0.75'-1.0' light brown; moderate to strong petroleum odor present.

13.0'-15.0' 0.5' sample in split spoon. **0.0'-0.5' (SP/SW)** Sand; medium to coarse-grained gravel with 10% pebbles to 1" diameter; moderate to poorly sorted; H₂O saturated; very strong petroleum odor present.

TOTAL DEPTH: 15ft bgs



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SITE ID: CLIMATE ROOFING
CLIENT: BCEHD
BOREHOLE ID: B-12 PAGE 1 OF 1

DATE OF DRILLING: 11-29-00
LOGGED BY: R. Sengebush
DRILLER: Rodger's Drilling/H. Reichert
BOREHOLE DIAMETER: 8"
DRILLING METHOD: Hollow Stem Auger
SAMPLING METHOD: 3" diam, 2' long Split Spoon
TOP OF CASING ELEV: NA
DEPTH TO WATER: ~7.0 ft
TOTAL DEPTH: 15ft
CASING: NA
SCREEN: NA
SURFACE COMPLETION: Fill with Bentonite.

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	Sample Interval	SIMPLIFIED LITHOLOGY
Bentonite Cement Grout					2		
					4	ND	
					6	ND	
					8	ND	
					10	ND	
					2		
					4		
					6		
					8		
					20		
Bentonite Pellets (hydrated)					2		
					4		
					6		
					8		
					20		
					2		
					4		
					6		
					8		
					20		

Surface Conditions: Fill.

0.0'-3.0' (SP) Fill; (10YR); sand; damp; no apparent hydrocarbon odor present. (cuttings).

3.0'-5.0' 2.0' sample in split spoon. 0.0'-1.0' **(SM)** (10YR); silty sand; well sorted; damp. 1.0'-2.0' **(SP)** (10YR) yellowish-brown; sand; fine-grained; very well sorted; damp; no apparent hydrocarbon odor present.

5.0'-7.0' 2.0' sample in split spoon. 0.0'-0.2' **(ML)** Slough?; silty sand with clay. 0.2'-2.0' **(SP/SW)** Yellowish-brown (10YR); sand to pebbly sand; medium to coarse-grained with up to 5-10% pebbles to 0.5"; moderately sorted; loose; damp to dry; loose; no apparent hydrocarbon odor present.

7.0'-9.0' 1.5' sample in split spoon. 0.0'-1.5' **(SW)** Yellowish-brown (10YR); sand to pebbly sand; medium to coarse-grained with 5% pebbles to 0.5"; moderately H2O saturated at ~7.0'; no apparent hydrocarbon odor present.

9.0'-11.0' 1.5' sample in split spoon. 0.0'-1.5' **(SP/SW)** Yellowish brown (10YR); sand; medium to coarse-grained moderately sorted; moderately sorted; H2O saturated; no apparent hydrocarbon odor present.

11.0'-13.0' 0.5' sample in split spoon. 0.0'-0.5' **(SP/SW)** Yellowish brown (10YR); sand; medium to coarse-grained; moderately sorted; carbonized plant material at 0.3'; pebbles to 1" diameter 25%; H2O saturated; no apparent hydrocarbon odor present.

13.0'-15.0' 0.5' sample in split spoon. 0.0'-0.5' **(SW/GP)** Yellowish brown (10YR); sand and gravel; moderate to poorly sorted; H2O saturated; no apparent hydrocarbon odor.

TOTAL DEPTH: 15ft bgs



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SITE ID: CLIMATE ROOFING
CLIENT: BCEHD
WELL ID: B-13/FTW-15 PAGE 1 OF 1

DATE OF DRILLING: 11-29-00
LOGGED BY: R. Sengebush
DRILLER: Rodger's Drilling/H. Reichert
BOREHOLE DIAMETER: 8"
DRILLING METHOD: HSA
SAMPLING METHOD: 3" diam, 2' long Split Spoon
TOP OF CASING ELEV: NA
DEPTH TO WATER: ~8.0 ft
TOTAL DEPTH: 15ft
CASING: 0-5' 2" dia sch 40 PVC-flush threaded
SCREEN: 5-15' 0.01slot 2" dia sch 40 PVC
SURFACE COMPLETION: Standard 8x12 can w/ concrete pad

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	SAMPLE INTERVAL	SIMPLIFIED LITHOLOGY
Cement					2		
Bentonite Pellets (hydrated)				ND	4		
				ND	6		
10-20 Silica Sand			B-13 8.5'-9.0' (SW) 7.3	ND	8		
				101	10		
0.01 Slot Screen				57.3	2		
					4		
				33.0	6		
					8		
					20		

USCS - LITHOLOGIC DESCRIPTION

Surface Conditions: Fill.
0.0'-3.0' (SM) Yellowish-brown; silty sand; medium to fine-grained; poorly sorted; damp. (cuttings).
3.0'-5.0' 2.0' sample in split spoon. 3.0'-4.0' (SM) Yellowish-brown (10YR); silty sand; fine-grained; well sorted; partings 0.25"; dry; no apparent hydrocarbon odor present. 4.0'-5.0' (SP) Sand; fine-grained; well sorted; loose; dry; no apparent hydrocarbon odor present.
5.0'-7.0' 1.7' sample in split spoon. 5.3'-5.5' (SM) (slough?) as in 3.0'-4.0'. 5.5'-7.0' (SP) Yellowish-brown (10YR); sand; fine to medium-grained; very well sorted; loose; damp; no apparent hydrocarbon odor present.
7.0'-9.0' 1.5' sample in split spoon. 7.5'-8.0' (SP) As above. 8.0'-9.0' (SW) Yellowish-brown from 8.0'-8.5' and light gray from 8.5'-9.0'; sand; medium to coarse-grained; poorly sorted; H2O saturated at 8.0'; moderate hydrocarbon odor present.
9.0'-11.0' 1.0' sample in split spoon. 10.0'-11.0' (SW) Gray to dark gray (5Y4/1-N3); sand; medium to coarse-grained; moderately sorted; H2O saturated; moderate hydrocarbon odor present.
11.0'-13.0' 0.5' sample in split spoon. 12.5'-13.0' (SP/SW) Yellowish-brown to light gray; sand; medium to coarse-grained pebbles to 0.5" diameter 5%; moderately sorted; moderate hydrocarbon odor present.
13.0'-15.0' 0.5' sample in split spoon. 14.5'-15.0' (SW/GP) Yellowish-brown (10YR); sand; medium to coarse-grained with 10% pebbles to 1" diameter; poorly sorted; minimum hydrocarbon odor present.

TOTAL DEPTH: 15ft bgs



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SITE ID: **CLIMATE ROOFING**
 CLIENT: **BCEHD**
 BOREHOLE ID: **B-14** PAGE 1 OF 1

DATE OF DRILLING: 12-4-00
 LOGGED BY: SCG
 DRILLER: Rodger's Drilling/H. Reichert
 BOREHOLE DIAMETER: 8"
 DRILLING METHOD: HSA
 SAMPLING METHOD: 3" diam, 2' long Split Spoon
 TOP OF CASING ELEV: NA
 DEPTH TO WATER: 8 ft
 TOTAL DEPTH: 13 ft
 CASING: NA
 SCREEN: NA
 SURFACE COMPLETION: NA

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	Sample Interval	SIMPLIFIED LITHOLOGY
Bentonite Cement Grout				0.4	2		
				1.2	4		
Bentonite Pellets (hydrated)				0.5	6		
				0.9	8		
			B-14 10.0-10.5' (SW)	0.5	10		
				1.3	2		
					4		
					6		
					8		
					20		

Surface Conditions: Sandy soil, pebbles, grasses.

0.0'-3.0' (SM) 10YR; silty sand; fine-grained; some pebbles from surface; moist; no apparent hydrocarbon odor present.

3.0'-5.0' 1.75' sample in split spoon. 3.25'-4.0' (SM) 10YR; silty sand; fine to very fine-grained; loose; slightly moist; no apparent hydrocarbon odor present. 4.0'-5.0' (SM) 10YR; same as above; fine to very fine-grained; silty sand; silt content decreasing; no apparent hydrocarbon odor present.

5.0'-7.0' 1.8' sample in split spoon. 5.2'-7.0' (SM) 10YR; sand; very fine-grained; well sorted; little moisture; no apparent hydrocarbon odor present.

7.0'-9.0' 1.6' sample in split spoon. 7.4'-7.6' Same as 5.2'-7.0'. 7.6'-9.0' (SW) 10YR; medium-grained sand grading to coarse-grained; very little fine-grained; small pebbles; no apparent hydrocarbon odor present.

9.0'-11.0' 1.0' sample in split spoon. 9.0'-10.0' (SW) 10YR; coarse-grained sand; fine to coarse-grained gravel.

11.0'-13.0' 0.8' sample in split spoon. 11.0'-11.8' (SW) Same as 9.0'-11.0' above.

TOTAL DEPTH: 13ft bgs



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SITE ID: **CLIMATE ROOFING**
 CLIENT: **BCEHD**
 BOREHOLE ID: **B-15** PAGE 1 OF 1

DATE OF DRILLING: 12-5-00
 LOGGED BY: SCG
 DRILLER: Rodger's Drilling/H. Reichert
 BOREHOLE DIAMETER: 8"
 DRILLING METHOD: HSA
 SAMPLING METHOD: 3" diam, 2' long Split Spoon
 TOP OF CASING ELEV: NA
 DEPTH TO WATER: ~8 ft
 TOTAL DEPTH: 13 ft
 CASING: NA
 SCREEN: NA
 SURFACE COMPLETION: NA

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	SAMPLE INTERVAL	SIMPLIFIED LITHOLOGY
Bentonite Cement Grout					2		
					4		
Bentonite Pellets (hydrated)				1.8			
				1.1			
					8		
				1.3			
			B-15 9.5-10.0' (SM) 5	1.4	10		
				1.1	2		
					4		
					6		
					8		
					20		

Surface Conditions: Sandy soil, grasses.

0.0'-3.0' (SM) 5YR4/6; silty sand; very fine-grained; loose; slightly moist; no apparent hydrocarbon odor present.

3.0'-5.0' 0.7' sample in split spoon. 0.3'-0.8' (SM) (10YR5/3) Silty sand; very fine-grained; dry. 0.8'-1.0' (SM) (10YR 5/3) Silty sand; very fine-grained; hard; semi-consolidated; dry; no apparent hydrocarbon odor present.

5.0'-7.0' 1.1' sample in split spoon. 0.2'-0.8' (SM) 10YR5/3; Silty sand; very fine-grained; dry; hard; semi-consolidated; weak cementation; no apparent hydrocarbon odor present.

7.0'-9.0' 1.5' sample in split spoon. 0.2'-1.5' (SM) Silty sand; fine-grained; loose; some pea-size gravel; wet; no apparent hydrocarbon odor present. 1.5'-1.7' (SM) Grading to medium-grained silty sand; loose; some pea-size gravel; wet; no apparent hydrocarbon odor present.

9.0'-11.0' 1.0' sample in split spoon. 0.0'-1.0' (SM) 5YR4/6; Same as 7.0'-9.0' (1.2' recovery).

11.0'-13.0' 1.0' sample in split spoon. 11.0'-12.0' (SM) Same as 7.0'-9.0' (1.0' recovery).

TOTAL DEPTH: 13ft bgs



TECUMSEH PROFESSIONAL ASSOCIATES, INC.

5600 WYOMING BOULEVARD, NE., SUITE 150, ALBUQUERQUE, NEW MEXICO 87113
 PHONE: (505) 293-1156 FAX: (505) 293-1971

SITE ID: CLIMATE ROOFING
CLIENT: BCEHD
BOREHOLE ID: B-16/FTW-16 PAGE 1 OF 1

DATE OF DRILLING: 1-29-01
LOGGED BY: SCG
DRILLER: Nevex/S. Hanfenfeld
BOREHOLE DIAMETER: 7"
DRILLING METHOD: HSA
SAMPLING METHOD: 2" diam, 2' long Split Spoon
TOP OF CASING ELEV: NA
DEPTH TO WATER: ~8.3 ft
TOTAL DEPTH: 17 ft
CASING: 0-5' 2" dia sch 40PVC-flush threaded
SCREEN: 6-17' 0.01 slot 2" dia sch 40PVC
SURFACE COMPLETION: Standard 8x12can w/ concrete pad

USCS - LITHOLOGIC DESCRIPTION

CONSTRUCTION DATA	WELL/BOREHOLE CONSTRUCTION	Blowcounts/% recovery	Laboratory TPH Sample	PID Reading (ppmv)	DEPTH (in feet)	SAMPLE INTERVAL	SIMPLIFIED LITHOLOGY
	Bentonite Cement Grout	100%		0.9	2		
				0.5	4		
	10/20 Silica Sand	60% 10, 12, 13		0.6	6		
		75% 7, 6, 4		0.5	8		
		80% 3, 5, 6	FTW-16 -9.5' (SW) 420	1583	10		
		30% 4, 5, 8			2		
					4		
					6		
					8		
					20		

Surface Conditions: Sandy soil/road base coarse.
0.0'-4.0' (SM) 5YR4/6; Fine-grained; loose; slight moisture; no apparent hydrocarbon odor present.
4.0'-6.0' 1.25' sample in split spoon. 0.0'-0.7' (SC) 5YR 4/6; Clayey sand; fine-grained; soft; almost low plasticity; sharp contact; slightly moist. 0.7'-1.25' (SM) Sand; fine-grained; sorted with fines; no apparent hydrocarbon odor present.
6.0'-8.0' 1.5' sample in split spoon. 0.0'-1.5' (SM) Sand; fine-grained; soft; no apparent hydrocarbon odor present.
8.0'-10.0' 1.75' sample in split spoon. 0.0'-1.25' (SM) 5YR 4/6; sand; fine-grained; moist; slight hydrocarbon odor present. 1.25'-1.75' (SW) (N3/N5) Fine to coarse-grained sand; coarsening downwards; wet; strong hydrocarbon odor present.
10.0'-12.0' .60' sample in split spoon. 0.0'-0.6' (SP/SW) 5YR 4/6; fine to coarse-grained sands grading from coarse-grained downwards to medium and fine-grained; N3/N5 grading back to 5YR 4/16; odor decreasing.

TOTAL DEPTH: 17ft bgs



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